

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

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In re: Application of: :  
YOSHIMURA, Y. ET AL. :  
 :  
Serial No. :  
 :  
Filed: :  
 :  
For: AQUEOUS GLITTERING INK :  
COMPOSITION :  
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Attorney Docket No. 423-P-024A

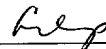
The Empire State Building  
350 Fifth Avenue, Suite 6110  
New York, NY 10118

March 6, 2002

Box PATENT APPLICATION  
The Honorable Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

I hereby certify that this correspondence is being deposited with the United States Postal Service by Express Mail (EL424646381US) in an envelope addressed to: Box PATENT APPLICATION, The Honorable Commissioner for Patents, Washington, D.C. 20231 on March 6, 2002



Lenore Randrup

## AMENDMENT

S I R :

1. In the specification, at page 1 between lines 1 and 2, please insert

-- Cross-Reference to Related Application

This application is a divisional application of U.S. Patent Application Serial No. 09/523,619, filed March 13, 2000, said application being hereby incorporated herein by reference.--

2. In the claims, please amend as follows:

a) Cancel claims 1, 3, 5, 7, 9, 11, 13 and 15 through 21 without prejudice.

b) Cancel claims 2, 4, 6, 8, 10, 12 and 14 without prejudice and rewrite them in the form of claims 22 through 28 as follows:

22. An aqueous glittering ink composition comprising a metal coated inorganic pigment, a water-soluble resin, a water-soluble organic solvent and water.

23. An aqueous glittering ink composition comprising a metal coated inorganic pigment, a water-soluble resin, a water-soluble organic solvent, water and a colorant.

24. An aqueous glittering ink composition as set forth in claim 22, wherein the metal coated inorganic pigment is contained in about 0.01 - 40% by weight relative to the total amount of the ink composition.

25. An aqueous glittering ink composition as set forth in claim 22, wherein the metal coated inorganic pigment has a median diameter of about 5 – 100 m.

26. An aqueous glittering ink composition as set forth in claim 22, wherein the water-soluble resin is contained in about 0.01 – 40% by weight relative to the total amount of the ink composition.

27. An aqueous glittering ink composition as set forth in claim 22, further containing a colorant in about 0.05 – 15% by weight relative to the total amount of the ink composition.

28. An aqueous glittering ink composition as set forth in claim 22, further containing an opacifying pigment.

c. Add claims 29 through 44 as follows:

29. A writing tool having an ink container in which an aqueous glittering ink composition is packed, wherein said aqueous ink composition comprises an inorganic pigment coated with a metal having a median diameter of about 5 – 100 nm, a water-soluble resin, a water soluble organic solvent and water.

30. A writing tool as set forth in claim 29, wherein said inorganic pigment coated with a metal is contained in about 0.01 – 40% by weight, relative to the total amount of the ink composition.

31. A writing tool as set forth in claim 29, wherein the viscosity of ink measured by an ELD-type viscometer (3° R14 cone; rotation speed: 0.5 rpm; 20°C) is about 1000 to 10000 mPa s.

32. A writing tool as set forth in claim 29, wherein said aqueous glittering ink composition further comprises a colorant in about 0.01 – 30% by weight relative to the total amount of the ink composition.

33. A writing tool having an ink container that is made of a hollow tube equipped with a ball-point pen tip at one end, wherein an ink container in which an aqueous glittering ink composition is packed, and said aqueous glittering ink composition comprises an inorganic pigment coated with a metal having a median diameter of about 5 – 100 nm and contained in about 1.0 – 40% by weight, a water-soluble resin contained in about 0.01 – 40% by weight and a water-soluble organic solvent contained in about 1.00—40% by weight relative to the total amount of the ink composition.

34. A writing tool as set forth in claim 33, wherein said water-soluble resin is a water-soluble thickening resin and the viscosity of the aqueous glittering ink measured by an ELD-type viscometer (3° R14 cone; rotation speed: 0.5 rpm; 20°C) is about 1000 to 10000 mPa s.

35. A writing tool as set forth in claim 34, wherein said water-soluble thickening resin is a microbial polysaccharide or a derivative thereof, selected from pullulan, xanthan gum, welan gum, rhamosan gum, succinoglucan and dextran.

36. A writing tool as set forth in claim 33, wherein said inorganic pigment is coated with metal by means of metal deposition.

37. A writing tool as set forth in claim 33, wherein said inorganic pigment coated with metal has a surface of a metal.

38. A method for using an aqueous glittering ink composition for a writing tool, the method comprising:  
providing an aqueous glittering ink composition which comprises an inorganic pigment coated with a metal having a median diameter of about 5 – 100 nm, a water-soluble resin, a water-soluble organic solvent and water.

39. A method of claim 38, wherein the viscosity of said aqueous glittering ink measured by an ELD-type viscometer (3° R14 corn; rotation speed: 0.5 rpm; 20°C) is about 1000 to 10000 mPa s.

40. A method for using an aqueous glittering ink composition for a writing tool, the method comprising:  
providing an aqueous glittering ink composition which comprises an inorganic pigment coated with a metal having a median diameter of about 5 –100 nm, a water-soluble resin, a water-soluble organic solvent and water,  
packing said aqueous glittering ink composition into an ink container made of a hollow tube, and equipping a ball-point pen tip with said ink container.

41. A method of claim 40, wherein the viscosity of the aqueous glittering ink composition measured by an ELD-type viscometer (3° R14 corn; rotation speed: 0.5 rpm; 20°C) is about 1000 to 10000 mPa s.

42. A method for using an aqueous glittering ink composition for a writing tool, the method comprising:  
providing an aqueous glittering ink composition which comprises  
an inorganic pigment coated with a metal having a median diameter of about 5 –100 nm and contained in about 1.0 – 40% by weight,  
a water-soluble resin contained in about 0.01 –40% by weight and  
a water-soluble organic solvent contained in about 1.00—40% by weight relative to the total amount of the ink composition.

43. A method of claim 42, wherein the viscosity of the aqueous glittering ink composition measured by an ELD-type viscometer (3° R14 corn; rotation speed: 0.5 rpm; 20°C) is about 1000 to 10000 mPa s.

44. A method for using an aqueous glittering ink composition for a writing tool, the method comprising:

providing an aqueous glittering ink composition which comprises

an inorganic pigment coated with a metal having a median diameter of about 5 –100 nm

and contained in about 1.0 – 40% by weight,

a water-soluble resin contained in about 0.01 –40% by weight and

a water-soluble organic solvent contained in about 1.00—40% by weight relative to the total amount of the ink composition;

packing said aqueous glittering ink composition into an ink container made of a hollow tube, and equipping a ball point pen tip with said ink container.

#### **REMARKS**

Claims 22 through 28 of the present application correspond in subject matter to claims 2, 4, 6, 8, 10, 12 and 14 of parent application Serial No. 09/523,619 as originally filed, and are directed to ink compositions comprising a metal coated inorganic pigment.

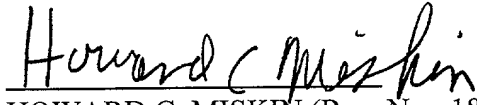
Claims 29 through 37 directed to writing tools in which an ink composition comprising an inorganic pigment coated with a metal is packed and claims 38 through 44 directed to methods for using such an ink have been added.

#### **CONCLUSION**

In view of the foregoing amendments, allowance of the application is respectfully requested.

Dated: March 6, 2002

Respectfully submitted,

A handwritten signature in black ink that reads "Howard C. Miskin". The signature is written in a cursive style with a horizontal line underneath the name.

HOWARD C. MISKIN (Reg. No.: 18, 999)

GLORIA TSUI-YIP (Reg. No. 42,188)

STOLL, MISKIN, HOFFMAN & BADIE

350 Fifth Avenue, #6110

New York, New York 10118

(212) 268-0900